Please use English for a U.S. application 09/530,219

SEQUENCE LISTING

M/ET

SEQUENZPROTOKOLL

Does Not Comply
Corrected Diskette Needed

GENERAL INFORMATION:

(i) ALLGEMEINE ANGABEN:

(A) ANMELDER: APPLICANT: I move up - all responses must be on same line as heading
~~(A) NAME:~~ Deutsches Krebsforschungszentrum
~~(B) STRASSE: Im Neuenheimer Feld 280~~
~~(C) ORT: Heidelberg~~
~~(D) LAND: Deutschland~~
~~(E) POSTLEITZAHL: 69120~~

(ii) TITLE OF INVENTION:
~~BEZEICHNUNG DER ERFINDUNG~~: Inhibitorprotein des ras-Signalwegs

(iii) NUMBER OF SEQUENCES:
~~ANZAHL DER SEQUENZEN~~: 7

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE:
(B) STREET:
(C) CITY:
(D) STATE:
(E) COUNTRY:
(F) ZIP:

add these MANDATORY headings and responses for a U.S. case

(v) COMPUTER READABLE FORM:
~~COMPUTER-LESBARE FASSUNG~~:
(A) MEDIUM TYPE: ~~DATENTRÄGER~~: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: ~~BETRIEBSSYSTEM~~: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPA)

(vi) PRIOR APPLICATION DATA:
~~PATENTANMELDUNG~~:
(A) APPLICATION NUMBER: ~~ANMELDENUMMER~~: EP 97417418.7
(B) FILING DATE:

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:

add these mandatory headings for a U.S. case

(2) ANGABEN ZU SEQ ID NO: 1:

(i) SEQUENZKENNZEICHEN:
(A) LÄNGE: 1297 Basenpaare
(B) ART: Nucleotid
(C) STRANGFORM: Einzelstrang
(D) TOPOLOGIE: linear

(ii) ART DES MOLEKÜLS: Genom-DNA

(iii) HYPOTHETISCH: NEIN

(iv) ANTISENSE: NEIN

(xi) SEQUENZBESCHREIBUNG: SEQ ID NO: 1:

FYI: EPO format is invalid for a U.S. case

All attached sample Sequence Listing for valid format

(3) Computer: Apple Macintosh;
(i) Operating System: Macintosh;
(ii) Macintosh File Type: text with line termination
(iii) Line Terminator: Pre-defined by text type file;
(iv) Pagination: Pre-defined by text type file;
(v) End-of-file: Pre-defined by text type file;
(vi) Media: (A) Diskett—3.50 inch, 400 Kb storage;
(B) Diskette—3.50 inch, 800 Kb storage;
(C) Diskette—3.50 inch, 1.4 Mb storage;
(vii) Print Command: Use PRINT command from any Macintosh Application that processes text files, such as MacWrite or Teach Text;
(4) Magnetic tape: 0.5 inch, up to 2400 feet;
(i) Density: 1600 or 6250 bits per inch, 9 track;
(ii) Format: raw, unblocked;
(iii) Line Terminator: ASCII Carriage Return plus optional ASCII Line Feed;
(iv) Pagination: ASCII Form Feed or Series of Line Terminators;
(v) Print Command (Unix shell version given here as sample response—mt/dev/rmt0; lpr/dev/rmt0):
(g) Computer readable forms that are submitted to the Office will not be returned to the applicant.
(h) All computer readable forms shall have a label permanently affixed thereto on which has been hand printed or typed, a description of the format of the computer readable form as well as the name of the applicant, the title of the invention, the date on which the data were recorded on the computer readable form and the name and type of computer and operating system which generated the files on the computer readable form. If all of this information cannot be printed on a label affixed to the computer readable form, by reason of size or otherwise, the label shall include the name of the applicant and the title of the invention and a reference number, and the additional information may be provided on a container for the computer readable form with the name of the applicant, the title of the invention, the reference number and the additional information affixed to the container. If the computer readable form is submitted after the date of filing under 35 U.S.C. 111, after the date of entry in the national stage under 35 U.S.C. 371 or after the time of filing, in the United States Receiving Office, an international application under the PCT, the labels mentioned herein must also include the date of the application and the application number, including series code and serial number.

§ 1.825 Amendments to or replacement of sequence listing and computer readable copy thereof.

(a) Any amendment to the paper copy of the "Sequence Listing" (§ 1.821(c)) must be made by the submission of substitute sheets. Amendments must be accompanied by a statement that indicates support for the amendment in the application, as filed, and a statement that the substitute sheets include no new matter. Such a statement must be a verified statement if made by a person not registered to practice before the Office.

(b) Any amendment to the paper copy of the "Sequence Listing," in accordance with paragraph (a) of this section, must be accompanied by a substitute copy of the computer readable form (§ 1.821(e)) including all previously submitted data with the amendment incorporated therein, accompanied by a statement that the copy in computer readable form is the same as the substitute copy of the "Sequence Listing." Such a statement must be a verified statement if made by a person not registered to practice before the Office.

(c) Any appropriate amendments to the "Sequence Listing" in a patent, e.g., by reason of reissue or certificate of correction, must comply with the requirements of paragraphs (a) and (b) of this section.

(d) If, upon receipt, the computer readable form is found to be damaged or unreadable, applicant must provide, within such time as set by the Commissioner, a substitute copy of the data in computer readable form accompanied by a statement that the substitute data is identical to that originally filed. Such a statement must be a verified statement if made by a person not registered to practice before the Office.

Appendix A—Sample Sequence Listing

(1) GENERAL INFORMATION:
(i) APPLICANT: Doe, Joan X, Doe, John Q
(ii) TITLE OF INVENTION: Isolation and Characterization of a Gene Encoding a Protease from *Paramecium* sp.
(iii) NUMBER OF SEQUENCES: 2
(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Smith and Jones
(B) STREET: 123 Main Street
(C) CITY: Smalltown
(D) STATE: Anystate
(E) COUNTRY: USA
(F) ZIP: 12345
(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
(B) COMPUTER: Apple Macintosh
(C) OPERATING SYSTEM: Mcintosh 5.0
(D) SOFTWARE: MacWrite
(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: 09/999,999
(B) FILING DATE: 28-FEB-1989
(C) CLASSIFICATION: 999/99
(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: PCT/US88/99999
(B) FILING DATE: 01-MAR-1988
(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Smith, John A.
(B) REGISTRATION NUMBER: 00001
(C) REFERENCE/DOCKET NUMBER: 01-0001
(ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (909) 999-0001
(B) TELEFAX: (909) 999-0002
(2) INFORMATION FOR SEQ ID NO: 1:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 954 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: genomic DNA
(iii) HYPOTHETICAL: yes
(iv) ANTI-SENSE: no
(vi) ORIGINAL SOURCE:
(A) ORGANISM: Paramecium sp
(C) INDIVIDUAL/ISOLATE: XYZ2
(G) CELL TYPE: unicellular organism
(vii) IMMEDIATE SOURCE:
(A) LIBRARY: genomic
(B) CLONE: Para-XYZ2/36
(x) PUBLICATION INFORMATION:
(A) AUTHORS: Doe, Joan X, Doe, John Q
(B) TITLE: Isolation and Characterization of a Gene Encoding a Protease from *Paramecium* sp.
(C) JOURNAL: Fictional Genes
(D) VOLUME: I
(E) ISSUE: 1
(F) PAGES: 1-20
(G) DATE: 02-MAR-1988
(K) RELEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 954

BILLING CODE 3510-16-M

Please consult for valid format.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

```
ATCGGGATAG TACTGGTCAA GACCGGTGGA CACCGGTTAA CCCCGGTTAA GTACCGGTTA   60

TAGGCCATTT CAGGCCAAAT GTGCCCAACT ACGCCAATTG TTTTGCCAAC GGCCAACGTT  120

ACGTTCGTAC GCACGTATGT ACCTAGGTAC TTACGGACGT GACTACGGAC ACTTCCGTAC  180

GTACGTACGT TTACGTACCC ATCCCAACGT AACCACAGTG TGGTCGCAGT GTCCCAGTGT  240

ACACAGACTG CCAGACATTC TTCACAGACA CCCC ATG ACA CCA CCT GAA CGT CTC   295
                                      Met Thr Pro Pro Glu Arg Leu
                                                          -30

TTC CTC CCA AGG GTG TGT GGC ACC ACC CTA CAC CTC CTC CTT CTG GGG     343
Phe Leu Pro Arg Val Cys Gly Thr Thr Leu His Leu Leu Leu Leu Gly
       -25                 -20                 -15

CTG CTG CTG GTT CTG CTG CCT GGG GCC CAT GTGAGGCAGC AGGAGAATGG       393
Leu Leu Leu Val Leu Leu Pro Gly Ala His
    -10                 -5

GGTGGCTCAG CCAAACCTTG AGCCCTAGAG CCCCCCTCAA CTCTGTTCTC CTAG GGG     450
                                                            Gly

CTC ATG CAT CTT GCC CAC AGC AAC CTC AAA CCT GCT GCT CAC CTC ATT     498
Leu Met His Leu Ala His Ser Asn Leu Lys Pro Ala Ala His Leu Ile
 1               5                  10                  15

GTAAACATCC ACCTGACCTC CCAGACATGT CCCCACCAGC TCTCCTCCTA CCCCTGCCTC  558

AGGAACCCAA GCATCCACCC CTCTCCCCCA ACTTCCCCCA CGCTAAAAAA AACAGAGGGA  618

GCCCACTCCT ATGCCTCCCC CTGCCATCCC CCAGGAACTC AGTTGTTCAG TGCCCACTTC  678

TAC CCC AGC AAG CAG AAC TCA CTG CTC TGG AGA GCA AAC ACG GAC CGT     726
Tyr Pro Ser Lys Gln Asn Ser Leu Leu Trp Arg Ala Asn Thr Asp Arg
            20                  25                  30

GCC TTC CTC CAG GAT GGT TTC TCC TTG AGC AAC AAT TCT CTC CTG GTC     774
Ala Phe Leu Gln Asp Gly Phe Ser Leu Ser Asn Asn Ser Leu Leu Val
         35                  40                  45

TAGAAAAAAT AATTGATTTC AAGACCTTCT CCCCATTCTG CCTCCATTCT GACCATTTCA  834

GGGGTCGTCA CCACCTCTCC TTTGGCCATT CCAACAGCTC AAGTCTTCCC TGATCAAGTC  894

ACCGGAGCTT TCAAAGAAGG AATTCTAGGC ATCCCAGGGG ACCCACACCT CCCTGAACCA  954
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BILLING CODE 3510-16-C

(2) INFORMATION FOR SEQ ID NO: 2:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 82 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: protein
(ix) FEATURE:
(A) NAME/KEY: signal sequence
(B) LOCATION: -34 to -1
(C) IDENTIFICATION METHOD: similarity to other signal sequences, hydrophobic
(D) OTHER INFORMATION: expresses protease
(x) PUBLICATION INFORMATION:
(A) AUTHORS: Doe, Joan X, Doe, John Q
(B) TITLE: Isolation and Characterization of a Gene Encoding a Protease from *Paramecium* sp.
(C) JOURNAL: Fictional Genes
(D) VOLUME: I
(E) ISSUE: 1
(F) PAGES: 1-20
(G) DATE: 02-MAR-1988
(K) RELEVANT RESIDUES IN SEQ ID NO: 2: FROM -34 TO 48

BILLING CODE 3510-16-M

Here's where sequence 2 starts (after the sequence data of SEQ ID NO:1:)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

```
Met Thr Pro Pro Glu Arg Leu Phe Leu Pro Arg Val Cys Gly Thr Thr
                -30                 -25                 -20

Leu His Leu Leu Leu Leu Gly Leu Leu Leu Val Leu Leu Pro Gly Ala
            -15                 -10                  -5

His Gly Leu Met His Leu Ala His Ser Asn Leu Lys Pro Ala Ala His
          1                 5                  10

Leu Ile Tyr Pro Ser Lys Gln Asn Ser Leu Leu Trp Arg Ala Asn Thr
15                  20                  25                  30

Asp Arg Ala Phe Leu Gln Asp Gly Phe Ser Leu Ser Asn Asn Ser Leu
                35                  40                  45

Leu Val
```

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